

0590  
0709

# 7



ENTERED

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/037,591A

DATE: 07/10/2002

TIME: 13:05:38

Input Set : A:\37128C.txt

Output Set: N:\CRF3\07102002\J037591A.raw

4 <110> APPLICANT: Medlock, Eugene  
 5 Yeh, Richard  
 6 Silbiger, Scott M.  
 7 Elliot, Gary S.  
 8 Nguyen, Hung Q.  
 9 Jing, Shuqian  
 11 <120> TITLE OF INVENTION: IL-17 Like Molecules and Uses Thereof  
 13 <130> FILE REFERENCE: 01017/37128C  
 15 <140> CURRENT APPLICATION NUMBER: 10/037,591A  
 C--> 16 <141> CURRENT FILING DATE: 2002-06-24  
 18 <150> PRIOR APPLICATION NUMBER: 09/886,404  
 19 <151> PRIOR FILING DATE: 2001-06-21  
 21 <150> PRIOR APPLICATION NUMBER: 09/810,384  
 22 <151> PRIOR FILING DATE: 2001-03-16  
 24 <150> PRIOR APPLICATION NUMBER: 60/266,159  
 25 <151> PRIOR FILING DATE: 2001-02-02  
 27 <150> PRIOR APPLICATION NUMBER: 60/213,125  
 28 <151> PRIOR FILING DATE: 2000-06-22  
 30 <160> NUMBER OF SEQ ID NOS: 24  
 32 <170> SOFTWARE: PatentIn Ver. 2.0  
 34 <210> SEQ ID NO: 1  
 35 <211> LENGTH: 644  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Homo sapiens  
 39 <220> FEATURE:  
 40 <221> NAME/KEY: CDS  
 41 <222> LOCATION: (159)..(641)  
 43 <400> SEQUENCE: 1  
 44 ctcaagtcac tccctaaaaa gacagtggaa ataaatttga ataaacaaaa caggcttgct 60  
 46 gaaaataaaaa tcaggactcc taacctgctc cagtcagcct gcttccacga ggctgtcag 120  
 48 tcagtgtcccc acttgtgact gagtgtgcag tgcccagc atg tac cag gtg gtt gca 176  
 49 Met Tyr Gln Val Val Ala  
 50 1 5  
 52 ttc ttg gca atg gtc atg gga acc cac acc tac agc cac tgg ccc agc 224  
 53 Phe Leu Ala Met Val Met Gly Thr His Thr Tyr Ser His Trp Pro Ser  
 54 10 15 20  
 56 tgc tgc ccc agc aaa ggg cag gac acc tct gag gag ctg ctg agg tgg 272  
 57 Cys Cys Pro Ser Lys Gly Gln Asp Thr Ser Glu Glu Leu Leu Arg Trp  
 58 25 30 35  
 60 agc act gtg cct gtg cct ccc cta gag cct gct agg ccc aac cgc cac 320  
 61 Ser Thr Val Pro Val Pro Pro Leu Glu Pro Ala Arg Pro Asn Arg His  
 62 40 45 50  
 64 cca gag tcc tgt agg gcc agt gaa gat gga ccc ctc aac agc agg gcc 368

## RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/10/037,591A

TIME: 13:05:38

Input Set : A:\37128C.txt

Output Set: N:\CRF3\07102002\J037591A.raw

```

65 Pro Glu Ser Cys Arg Ala Ser Glu Asp Gly Pro Leu Asn Ser Arg Ala
66 55 60 65 70
68 atc tcc ccc tgg aga tat gag ttg gac aga gac ttg aac cgg ctc ccc 416
69 Ile Ser Pro Trp Arg Tyr Glu Leu Asp Arg Asp Leu Asn Arg Leu Pro
70 75 80 85
72 cag gac ctg tac cac gcc cgt tgc ctg ccg cac tgc gtc agc cta 464
73 Gln Asp Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu
74 90 95 100
76 cag aca ggc tcc cac atg gac ccc cgg ggc aac tcg gag ctg ctc tac 512
77 Gln Thr Gly Ser His Met Asp Pro Arg Gly Asn Ser Glu Leu Leu Tyr
78 105 110 115
80 cac aac cag act gtc ttc tac cgg cgg cca tgc cat ggc gag aag ggc 560
81 His Asn Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Lys Gly
82 120 125 130
84 acc cac aag ggc tac tgc ctg gag cgc agg ctg tac cgt gtt tcc tta 608
85 Thr His Lys Gly Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu
86 135 140 145 150
88 gct tgt gtg tgt gtg cgg ccc cgt gtg atg ggc tag 644
89 Ala Cys Val Cys Val Arg Pro Arg Val Met Gly
90 155 160
93 <210> SEQ ID NO: 2
94 <211> LENGTH: 161
95 <212> TYPE: PRT
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 2
99 Met Tyr Gln Val Val Ala Phe Leu Ala Met Val Met Gly Thr His Thr
100 1 5 10 15
102 Tyr Ser His Trp Pro Ser Cys Cys Pro Ser Lys Gly Gln Asp Thr Ser
103 20 25 30
105 Glu Glu Leu Leu Arg Trp Ser Thr Val Pro Val Pro Pro Leu Glu Pro
106 35 40 45
108 Ala Arg Pro Asn Arg His Pro Glu Ser Cys Arg Ala Ser Glu Asp Gly
109 50 55 60
111 Pro Leu Asn Ser Arg Ala Ile Ser Pro Trp Arg Tyr Glu Leu Asp Arg
112 65 70 75 80
114 Asp Leu Asn Arg Leu Pro Gln Asp Leu Tyr His Ala Arg Cys Leu Cys
115 85 90 95
117 Pro His Cys Val Ser Leu Gln Thr Gly Ser His Met Asp Pro Arg Gly
118 100 105 110
120 Asn Ser Glu Leu Leu Tyr His Asn Gln Thr Val Phe Tyr Arg Arg Pro
121 115 120 125
123 Cys His Gly Glu Lys Gly Thr His Lys Gly Tyr Cys Leu Glu Arg Arg
124 130 135 140
127 Leu Tyr Arg Val Ser Leu Ala Cys Val Cys Val Arg Pro Arg Val Met
128 145 150 155 160
130 Gly
133 <210> SEQ ID NO: 3
134 <211> LENGTH: 1013
135 <212> TYPE: DNA

```

## RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/10/037,591A

TIME: 13:05:38

Input Set : A:\37128C.txt

Output Set: N:\CRF3\07102002\J037591A.raw

```

136 <213> ORGANISM: Mus musculus
138 <220> FEATURE:
139 <221> NAME/KEY: CDS
140 <222> LOCATION: (1)..(507)
142 <400> SEQUENCE: 3
143 atg tac cag gct gtt gca ttc ttg gca atg atc gtg gga acc cac acc 48
144 Met Tyr Gln Ala Val Ala Phe Leu Ala Met Ile Val Gly Thr His Thr
145 1 5 10 15
147 gtc agc ttg cgg atc cag gag ggc tgc agt cac ttg ccc agc tgc tgc 96
148 Val Ser Leu Arg Ile Gln Glu Gly Cys Ser His Leu Pro Ser Cys Cys
149 20 25 30
151 ccc agc aaa gag caa gaa ccc ccg gag gag tgg ctg aag tgg agc tct 144
152 Pro Ser Lys Glu Gln Glu Pro Pro Glu Glu Trp Leu Lys Trp Ser Ser
153 35 40 45
155 gca tct gtg tcc ccc cca gag cct ctg agc cac acc cac cac gca gaa 192
156 Ala Ser Val Ser Pro Pro Glu Pro Leu Ser His Thr His His Ala Glu
157 50 55 60
159 tcc tgc agg gcc agc aag gat ggc ccc ctc aac agc agg gcc atc tct 240
160 Ser Cys Arg Ala Ser Lys Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser
161 65 70 75 80
163 cct tgg agc tat gag ttg gac agg gac ttg aat cgg gtc ccc cag gac 288
164 Pro Trp Ser Tyr Glu Leu Asp Arg Asp Leu Asn Arg Val Pro Gln Asp
165 85 90 95
167 ctg tac cac gct cga tgc ctg tgc cca cac tgc gtc agc cta cag aca 336
168 Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr
169 100 105 110
171 ggc tcc cac atg gac ccg ctg ggc aac tcc gtc cca ctt tac cac aac 384
172 Gly Ser His Met Asp Pro Leu Gly Asn Ser Val Pro Leu Tyr His Asn
173 115 120 125
175 cag acg gtc ttc tac cgg cgg cca tgc cat ggc gag gaa ggt acc cat 432
176 Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Glu Gly Thr His
177 130 135 140
179 cgc cgc tac tgc ttg gag cgc agg ctc tac cga gtc tcc ttg gct tgt 480
180 Arg Arg Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys
181 145 150 155 160
183 gtg tgt gtg cgg ccc cgg gtc atg gct tagtcatgct caccacctgc 527
184 Val Cys Val Arg Pro Arg Val Met Ala
185 165
187 ctgaggctga tgcccgggttg ggagagaggg ccagggtgtac aatcaccttg ccaatgcggg 587
189 ccgggttcaa gccctccaaa gccctacctg aagcagcagg ctcccgggac aagatggagg 647
191 acttggggag aaactctgac ttttgcaact tttggaagca cttttgggaa ggagcagggt 707
193 ccgcttgtgc tgctagagga tgctgtttgtg gcattttctac tcaggaacgg actccaaagg 767
195 cctgtctgacc ctggaagcca tactcctggc tcctttcccc tgaatcccc aactcctggc 827
197 acaggcactt tctccacctc tcccctttg ccttttgttg tgtttgttg tgcatgccaa 887
199 ctctgcgtgc agccaggtgt aattgccttg aaggatggtt ctgaggtgaa agctgttatc 947
201 gaaagtgaag agatttatcc aaataaacat ctgtgtttaa aaaaaaaaaa aaaaaaaaaa 1007
203 aaaaaa 1013
206 <210> SEQ ID NO: 4
207 <211> LENGTH: 169

```

## RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/10/037,591A

TIME: 13:05:38

Input Set : A:\37128C.txt

Output Set: N:\CRF3\07102002\J037591A.raw

```

208 <212> TYPE: PRT
209 <213> ORGANISM: Mus musculus
211 <400> SEQUENCE: 4
212 Met Tyr Gln Ala Val Ala Phe Leu Ala Met Ile Val Gly Thr His Thr
213   1           5           10           15
215 Val Ser Leu Arg Ile Gln Glu Gly Cys Ser His Leu Pro Ser Cys Cys
216           20           25           30
218 Pro Ser Lys Glu Gln Glu Pro Pro Glu Glu Trp Leu Lys Trp Ser Ser
219           35           40           45
221 Ala Ser Val Ser Pro Pro Glu Pro Leu Ser His Thr His His Ala Glu
222           50           55           60
224 Ser Cys Arg Ala Ser Lys Asp Gly Pro Leu Asn Ser Arg Ala Ile Ser
225           65           70           75           80
227 Pro Trp Ser Tyr Glu Leu Asp Arg Asp Leu Asn Arg Val Pro Gln Asp
228           85           90           95
230 Leu Tyr His Ala Arg Cys Leu Cys Pro His Cys Val Ser Leu Gln Thr
231           100          105          110
233 Gly Ser His Met Asp Pro Leu Gly Asn Ser Val Pro Leu Tyr His Asn
234           115          120          125
236 Gln Thr Val Phe Tyr Arg Arg Pro Cys His Gly Glu Glu Gly Thr His
237           130          135          140
239 Arg Arg Tyr Cys Leu Glu Arg Arg Leu Tyr Arg Val Ser Leu Ala Cys
240          145          150          155          160
242 Val Cys Val Arg Pro Arg Val Met Ala
243           165
246 <210> SEQ ID NO: 5
247 <211> LENGTH: 155
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo sapiens
251 <400> SEQUENCE: 5
252 Met Thr Pro Gly Lys Thr Ser Leu Val Ser Leu Leu Leu Leu Ser
253   1           5           10           15
256 Leu Glu Ala Ile Val Lys Ala Gly Ile Thr Ile Pro Arg Asn Pro Gly
257           20           25           30
259 Cys Pro Asn Ser Glu Asp Lys Asn Phe Pro Arg Thr Val Met Val Asn
260           35           40           45
262 Leu Asn Ile His Asn Arg Asn Thr Asn Thr Asn Pro Lys Arg Ser Ser
263           50           55           60
265 Asp Tyr Tyr Asn Arg Ser Thr Ser Pro Trp Asn Leu His Arg Asn Glu
266           65           70           75           80
268 Asp Pro Glu Arg Tyr Pro Ser Val Ile Trp Glu Ala Lys Cys Arg His
269           85           90           95
271 Leu Gly Cys Ile Asn Ala Asp Gly Asn Val Asp Tyr His Met Asn Ser
272           100          105          110
274 Val Pro Ile Gln Gln Glu Ile Leu Val Leu Arg Arg Glu Pro Pro His
275           115          120          125
277 Cys Pro Asn Ser Phe Arg Leu Glu Lys Ile Leu Val Ser Val Gly Cys
278           130          135          140
280 Thr Cys Val Thr Pro Ile Val His His Val Ala

```

## RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/10/037,591A

TIME: 13:05:38

Input Set : A:\37128C.txt

Output Set: N:\CRF3\07102002\J037591A.raw

```

281 145          150          155
284 <210> SEQ ID NO: 6
285 <211> LENGTH: 117
286 <212> TYPE: PRT
287 <213> ORGANISM: Homo sapiens
289 <400> SEQUENCE: 6
290 Arg Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu
291   1          5          10          15
293 Ala Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys
294          20          25          30
296 Arg Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg
297          35          40          45
299 Ile Pro Val Asp Leu Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val
300          50          55          60
302 Asn Pro Phe Thr Met Gln Glu Asp Arg Ser Met Val Ser Val Pro Val
303   65          70          75          80
305 Phe Ser Gln Val Pro Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg
306          85          90          95
308 Thr Gly Pro Cys Arg Gln Arg Ala Val Met Glu Thr Ile Val Ala Gly
309          100         105         110
311 Cys Thr Cys Ile Phe
312          115
315 <210> SEQ ID NO: 7
316 <211> LENGTH: 117
317 <212> TYPE: PRT
318 <213> ORGANISM: Homo sapiens
320 <400> SEQUENCE: 7
321 Arg Asn Ile Glu Glu Met Val Ala Gln Leu Arg Asn Ser Ser Glu Leu
322   1          5          10          15
325 Ala Gln Arg Lys Cys Glu Val Asn Leu Gln Leu Trp Met Ser Asn Lys
326          20          25          30
328 Arg Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg
329          35          40          45
331 Ile Pro Val Asp Leu Pro Glu Ala Arg Cys Leu Cys Leu Gly Cys Val
332          50          55          60
334 Asn Pro Phe Thr Met Gln Glu Asp Arg Ser Met Val Ser Val Pro Val
335   65          70          75          80
337 Phe Ser Gln Val Pro Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg
338          85          90          95
340 Thr Gly Pro Cys Arg Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly
341          100         105         110
343 Cys Thr Cys Ile Phe
344          115
347 <210> SEQ ID NO: 8
348 <211> LENGTH: 197
349 <212> TYPE: PRT
350 <213> ORGANISM: Homo sapiens
352 <400> SEQUENCE: 8
353 Met Thr Leu Leu Pro Gly Leu Leu Phe Leu Thr Trp Leu His Thr Cys

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/037,591A

DATE: 07/10/2002

TIME: 13:05:39

Input Set : A:\37128C.txt

Output Set: N:\CRF3\07102002\J037591A.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date